

Substitute for form 1449A/PTO (modified)

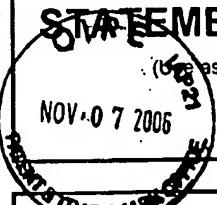
Application Number	10/723,511
Filing Date	November 26, 2003
First Named Inventor	Eberman, Kevin W.
Confirmation Number	8947
Attorney Case Number	58581US002

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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U.S. Patent Documents

Exam. Init."	Cite No.	Document Number	Publication Date/ Issue Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Doc. Number-(Kind Code if Known)			
TV	A1	US- 4,567,031	01/28/1986	Riley	
TV	A2	US- 4,780,381	10/25/1988	Shacklette et al.	
TV	A3	US- 5,264,201	11/23/1993	Dahn et al.	
TV	A4	US- 5,292,601	03/08/1994	Sugeno et al.	
TV	A5	US- 5,370,948	12/06/1994	Hasegawa et al.	
TV	A6	US- 5,474,858	12/12/1995	Merritt	
TV	A7	US- 5,478,671	12/26/1995	Idota	
TV	A8	US- 5,478,675	12/26/1995	Nagaura	
TV	A9	US- 5,521,027	05/28/1996	Okuno et al.	
TV	A10	US- 5,525,443	06/11/1996	Okuno et al.	
TV	A11	US- 5,531,920	07/02/1996	Mao et al.	
TV	A12	US- 5,538,814	07/23/1996	Kamauchi et al.	
TV	A13	US- 5,565,688	10/15/1996	Hayashi	
TV	A14	US- 5,589,300	12/31/1996	Fauteux et al.	
TV	A15	US- 5,609,975	03/11/1997	Hasegawa et al.	
TV	A16	US- 5,626,635	05/06/1997	Yamaura et al.	
TV	A17	US- 5,718,989	02/17/1998	Aoki et al.	
TV	A18	US- 5,742,070	04/21/1998	Hayashi et al.	
TV	A19	US- 5,753,202	05/19/1998	Wang et al.	
TV	A20	US- 5,770,173	06/23/1998	Nitta et al.	
TV	A21	US- 5,783,332	07/21/1998	Amine et al.	
TV	A22	US- 5,869,208	02/09/1999	Miyasaka	
TV	A23	US- 5,900,385	05/04/1999	Dahn et al.	
TV	A24	US- 5,911,920	06/15/1999	Hasezaki et al.	
TV	A25	US- 5,948,569	09/07/1999	Moses et al.	
TV	A26	US- 5,981,106	11/09/1999	Amine et al.	
TV	A27	US- 5,981,445	11/09/1999	Kirchnerova et al.	
TV	A28	US- 5,993,998	11/30/1999	Yasuda	

*Examiner: /Timothy Vanoy/

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		Doc. Number-(Kind Code if Known)			
TV	A29	US- 6,017,654	01/25/2000	Kumta et al.	
TV	A30	US- 6,030,726	02/29/2000	Takeuchi et al.	
TV	A31	US- 6,077,496	06/20/2000	Ito et al.	
TV	A32	US- 6,103,422	08/15/2000	Kanai	
TV	A33	US- 6,203,947 B1	03/20/2001	Peled et al.	
TV	A34	US- 6,214,493 B1	04/10/2001	Bruce et al.	
TV	A35	US- 6,225,017 B1	05/01/2001	Sato et al.	
TV	A36	US- 6,248,477 B1	06/19/2001	Howard, Jr. et al.	
TV	A37	US- 6,255,017 B1	07/03/2001	Turner	
TV	A38	US- 6,270,925 B1	08/07/2001	Takada et al.	
TV	A39	US- 6,274,273 B1	08/14/2001	Cho et al.	
TV	A40	US- 6,291,103 B1	09/18/2001	Park et al.	
TV	A41	US- 6,350,543 B2	02/26/2002	Yang et al.	
TV	A42	US- 6,365,299 B1	04/02/2002	Miyaki et al.	
TV	A43	US- 6,368,749 B1	04/09/2002	Yanai et al.	
TV	A44	US- 6,372,385 B1	04/16/2002	Kweon et al.	
TV	A45	US- 6,395,250 B2	05/28/2002	Matsubara et al.	
TV	A46	US- 6,436,574 B1	08/20/2002	Numata et al.	
TV	A47	US- 6,521,379 B2	02/18/2003	Nishida et al.	
TV	A48	US- 6,551,744 B1	04/22/2003	Ohzuku et al.	
TV	A49	US- 6,589,694 B1	07/08/2003	Gosho et al.	
TV	A50	US- 6,620,400 B2	09/16/2003	Gao et al.	
TV	A51	US- 6,623,886 B2	09/23/2003	Yang et al.	
TV	A52	US- 6,677,082 B2	01/13/2004	Thackeray et al.	
TV	A53	US- 6,680,143 B2	01/20/2004	Thackeray et al.	
TV	A54	US- 6,808,848 B2	10/26/2004	Nakanishi et al.	
TV	A55	US- 6,884,543 B2	04/26/2005	Tsujimoto et al.	
TV	A56	US- 6,893,776 B2	05/17/2005	Naruoka et al.	

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		Doc. Number-(Kind Code if Known)			
TV	A57	US- 6,964,828 B2	11/15/2005	Lu et al.	
TV	A58	US- 7,078,128 B2	07/18/2006	Lu et al.	
TV	A59	US- 2001/0010807 A1	08/02/2001	Matsubara	
TV	A60	US- 2001/0016285 A1	08/23/2001	Cho et al.	
TV	A61	US- 2001/0031397 A1	10/18/2001	Kweon et al.	
TV	A62	US- 2002/0012843 A1	01/31/2002	Munakata et al.	
TV	A63	US- 2002/0071990 A1	06/13/2002	Kweon et al.	
TV	A64	US- 2002/0071991 A1	06/13/2002	Kweon et al.	
TV	A65	US- 2002/0086210 A1	07/04/2002	Naruoka et al.	
TV	A66	US- 2002/0053663 A1	05/09/2002	Ito et al.	
TV	A67	US- 2002/0150530 A1	10/17/2002	Gao et al.	
TV	A68	US- 2003/0082452 A1	05/01/2003	Ueda et al.	
TV	A69	US- 2003/0108793 A1	06/12/2003	Dahn et al.	
TV	A70	US- 2005/0260496 A1	11/24/2005	Ueda et al.	
TV	A71	US- 2006/159994 A1	07/20/2006	Dahn et al.	

Foreign Patent Documents							
Exam. Init.*	Cite No.	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Translation (Check if yes)
		Ctry. Code	Number-KindCode (if known)				
TV	B1	EP	0 468 942 B1	01/15/1997			
TV	B2	EP	0 468 942 B2	01/12/1999			
TV	B3	EP	0 501 187 B1	04/17/1996			
TV	B4	EP	0 903 796 A1	03/24/1999			
TV	B5	EP	1 117 145 A1	07/18/2001			
TV	B6	EP	1 189 296 A2	03/20/2002			
TV	B7	JP	55-046288	03/31/1980			Abstract only
TV	B8	JP	5-67466	03/19/1993			X
TV	B9	JP	5-182667	07/23/1993			X
TV	B10	JP	5-198301	08/06/1993			X

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		Ctry. Code	Number-KindCode (if known)				
TV	B11	JP	5-283077	10/29/1993			X
TV	B12	JP	6-60867	03/04/1994			Abstract & Claims only
TV	B13	JP	6-275264	09/30/1994			X
TV	B14	JP	6-275269	09/30/1994			X
TV	B15	JP	6-342657	12/13/1994			Claims only
TV	B16	JP	7-134985	05/23/1995			X
TV	B17	JP	7-235291	09/05/1995			X
TV	B18	JP	7-235292	09/05/1995			X
TV	B19	JP	8-31408	02/02/1996			Claims only
TV	B20	JP	8-37007	02/06/1996			Claims only
TV	B21	JP	8-171910	07/02/1996			X
TV	B22	JP	8-171935	07/02/1996			X
TV	B23	JP	8-213015	08/20/1996			X
TV	B24	JP	8-222220	08/30/1996			X
TV	B25	JP	2561556	09/19/1996			X
TV	B26	JP	8-315819	11/29/1996			X
TV	B27	JP	2668678	07/04/1997			X
TV	B28	JP	9-237631	09/09/1997			Claims only
TV	B29	JP	2699176	09/26/1997			X
TV	B30	JP	10-106562	04/24/1998			Claims only
TV	B31	JP	10-106565	04/24/1998			Abstract only
TV	B32	JP	10-172571	06/26/1998			Abstract only
TV	B33	JP	10-188982	07/21/1998			X
TV	B34	JP	2822659	09/04/1998			X
TV	B35	JP	11-25957	01/29/1999			X
TV	B36	JP	11-86861	03/30/1999			Abstract only
TV	B37	JP	11-213999	08/06/1999			Claims only
TV	B38	JP	11-273677	10/08/1999			X

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		Ctry. Code	Number-KindCode (If known)				
TV	B39	JP	11-354156	12/24/1999			X
TV	B40	JP	3042128	03/10/2000			Claims only
TV	B41	JP	2000-503543	03/21/2000			Claims only
TV	B42	JP	2000-173599	06/23/2000			X
TV	B43	JP	2000-173667	06/23/2000			X
TV	B44	JP	3079382	06/23/2000			X
TV	B45	JP	3079613	06/23/2000			Claims only
TV	B46	JP	2000-186861	07/04/2000			Abstract only
TV	B47	JP	2000-195514	07/14/2000			X
TV	B48	JP	3089662	07/21/2000			Claims only
TV	B49	JP	2000-223122	08/11/2000			X
TV	B50	JP	2000-223157	08/11/2000			Abstract only
TV	B51	JP	2000-231919	08/22/2000			X
TV	B52	JP	3110728	09/14/2000			Claims only
TV	B53	JP	2000-268821	09/29/2000			Claims only
TV	B54	JP	2000-268864	09/29/2000			X
TV	B55	JP	2000-277151	10/06/2000			Claims only
TV	B56	JP	2000-294240	10/20/2000			Claims only
TV	B57	JP	2000-294242	10/20/2000			X
TV	B58	JP	3130813	11/17/2000			Claims only
TV	B59	JP	2000-323123	11/24/2000			X
TV	B60	JP	2000-323142	11/24/2000			X
TV	B61	JP	2000-327338	11/28/2000			X
TV	B62	JP	2000-327339	11/28/2000			X
TV	B63	JP	2001-52702	02/23/2001			X
TV	B64	JP	3181296	04/20/2001			X
TV	B65	JP	3182271	04/20/2001			Claims only
TV	B66	JP	2001-143710	05/25/2001			Abstract only

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		Ctry. Code	Number-KindCode (if known)				
TV	B67	JP	2001-143760	05/25/2001			X
TV	B68	JP	2001-146426	05/29/2001			Claims only
TV	B69	JP	3197763	06/08/2001			Claims only
TV	B70	JP	2001-185218	07/06/2001			X
TV	B71	JP	2001-282767	09/18/2001			X
TV	B72	JP	3258841	12/07/2001			Claims only
TV	B73	JP	2001-345101	12/14/2001			Claims only
TV	B74	JP	2002-42813	02/08/2002			X
TV	B75	JP	2002-63900	02/28/2002			Abstract only
TV	B76	JP	2002-110253	04/12/2002			Claims only
TV	B77	JP	3301931	04/26/2002			Claims only
TV	B78	JP	3308232	05/17/2002			Claims only
TV	B79	JP	2002-151076	05/24/2002			Claims only
TV	B80	JP	3318941	06/21/2002			Claims only
TV	B81	JP	2002-529361	09/10/2002			Claims only
TV	B82	JP	2002-530260	09/17/2002			Claims only
TV	B83	JP	3356157	10/04/2002			Claims only
TV	B84	JP	3378222	12/06/2002			Claims only
TV	B85	JP	2003-238165	08/27/2003			X
TV	B86	JP	3524762	02/20/2004			Claims only
TV	B87	JP	3536947	03/26/2004			Claims only
TV	B88	JP	3649953	02/25/2005			Claims only
TV	B89	WO	00/03444	01/20/2000			
TV	B90	WO	00/23380	04/27/2000			
TV	B91	WO	01/15252 A1	03/01/2001			
TV	B92	WO	02/40404 A1	05/23/2002			US equivalent US2003/0082452A1

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OTHER DOCUMENTS

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TV	C1	Wiles et al., "A new computer program for Rietveld analysis of X-ray powder diffraction patterns", <i>J. Appl. Cryst.</i> (1981), 14, pp. 149-151	
TV	C2	Delmas et al., "Soft chemistry in A _x MO ₂ sheet oxides", <i>Revue de Chimie minérale</i> , t. 19, (1982), pp. 343-351	
TV	C3	Hill et al., "Peak Shape Variation in Fixed-Wavelength Neutron Powder Diffraction and its Effect on Structural Parameters Obtained by Rietveld Analysis", <i>J. Appl. Cryst.</i> (1985) 18, pp. 173-180	
TV	C4	Delmas et al., "Electrochemical and physical properties of the Li _x Ni _{1-y} Co _y O ₂ phases", <i>Solid State Ionics</i> 53-56 (1992), pp. 370-375	
TV	C5	Rossen et al., "Structure and electrochemistry of Li _x Mn _y Ni _{1-y} O ₂ ", <i>Solid State Ionics</i> 57 (1992), pp. 311-318	
TV	C6	Jones et al., "Structure and electrochemistry of Li _x Cr _y Co _{1-y} O ₂ ", <i>Solid State Ionics</i> 68 (1994), pp. 65-69	
TV	C7	Richard et al., "The effect of ammonia reduction on the spinel electrode materials, LiMn ₂ O ₄ and Li(Li _{1/3} Mn _{5/3})O ₄ ", <i>Solid State Ionics</i> , 73, (1994), pp. 81-91	
TV	C8	Armstrong et al., "Synthesis of layered LiMnO ₂ as an electrode for rechargeable lithium batteries", <i>Letters to Nature</i> , Vol. 381, June 1996, pp. 499-500	
TV	C9	Numata et al., "Synthesis of Solid Solutions in a System of LiCoO ₂ -Li ₂ MnO ₃ for Cathode Materials of Secondary Lithium Batteries", <i>Chemistry Letters</i> (1997), pp. 725-726	
TV	C10	Richard et al., "A Cell for <i>In Situ</i> X-Ray Diffraction Based on Coin Cell Hardware and Bellcore Plastic Electrode Technology", <i>J. Electrochem. Soc.</i> , Vol. 144, No. 2, February 1997, pp. 554-557	
TV	C11	Dahn et al., "Structure and Electrochemistry of Li ₂ Cr _x Mn _{2-x} O ₄ for 1.0 ≤ x ≤ 1.5", <i>J. Electrochem. Soc.</i> , Vol. 145, No. 3 (1998), pp. 851-859	
TV	C12	Spahr et al., "Characterization of Layered Lithium Nickel Manganese Oxides Synthesized by a Novel Oxidative Coprecipitation Method and Their Electrochemical Performance as Lithium Insertion Electrode Materials", <i>J. Electrochem. Soc.</i> , Vol. 145, No. 4, (1998), pp. 1113-1121	
TV	C13	Neudecker et al., "Lithium Manganese Nickel Oxides Li _x (Mn _y Ni _{1-y}) _{2-x} O ₂ ", <i>J. Electrochem. Soc.</i> , Vol. 145, No. 12, (1998), pp. 4160-4168	
TV	C14	Paulsen et al., "Layered Li-Mn-Oxide with the O ₂ Structure: A Cathode Material for Li-Ion Cells Which Does Not Convert to Spinel", <i>J. of Electrochem. Soc.</i> , 146 (10), (1999), pp. 3560-3565	
TV	C15	Cho et al., "Improvement of Structural Stability of LiCoO ₂ Cathode during Electrochemical Cycling by Sol-Gel Coating of SnO ₂ ", <i>Electrochem. and Solid-State Letters</i> , 3 (8), (2000), pp. 362-365	

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TV	C16	Cho et al., "Novel LiCoO ₂ Cathode Material with Al ₂ O ₃ Coating for a Li Ion Cell", <i>Chem. Mater.</i> , 12, (2000), pp. 3788-3791	
TV	C17	Paulsen et al., "O ₂ Structure Li _{2/3} [Ni _{1/3} Mn _{2/3}]O ₂ : A New Layered Cathode Material for Rechargeable Lithium Batteries", <i>J. Electrochem. Soc.</i> , 147 (3) (2000), pp. 861-868	
TV	C18	Desilvestro et al., "Novel layered cathode materials for advanced lithium ion batteries", Pacific Lithium Limited, presented at the International Li Battery Conference in Como, Italy, May 2000	
TV	C19	Naruoka et al., "Development of LiNi _{1-x-y} Co _x Mn _y O ₂ System Positive Active Material for Lithium Ion Cells", <i>GS News Technical Report</i> , Vol. 59, No. 2, (2000), pp. 13-17	X
TV	C20	10th International Meeting on Lithium Batteries, "Lithium 2000", Villa Erba Conference Center, Como, Italy, May 28-June 2, 2000	
TV	C21	Quine et al., "Layered Li _x Mn _{1-y} Ni _y O ₂ intercalation electrodes", <i>J. Mater. Chem.</i> , 10, (2000), pp. 2838-2841	
TV	C22	Cho et al., "LiCoO ₂ Cathode Material That Does Not Show a Phase Transition from Hexagonal to Monoclinic Phase", <i>J. of Electrochem. Soc.</i> , 148, (10), (2001), pp. A1110-A1115	
TV	C23	Cho et al., "Zero-Strain Intercalation Cathode for Rechargeable Li-Ion Cell", <i>Angew. Chem. Int. Ed.</i> , 40, No. 18, (2001), pp. 3367-3369	
TV	C24	Lu et al., "The Effect of Co Substitution for Ni on the Structure and Electrochemical Behavior of T2 and O ₂ Structure Li _{2/3} [Co _x Ni _{1/3-x} Mn _{2/3}]O ₂ ", <i>J. of Electrochem. Soc.</i> , 148 (3), (2001), pp. A237-A240	

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